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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/516,080	11/29/2004	Jun Shinozaki	MEIC:182	9658

27890 7590 03/01/2007
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

EXAMINER

WILLIAMS, JOSEPH L

ART UNIT	PAPER NUMBER
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2879

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/01/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/516,080

Applicant(s)

SHINOZAKI ET AL.

Examiner

Joseph L. Williams

Art Unit

2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 November 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 11/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Noriyuki et al. (JP 04-365349), in view of Kazuo et al. (JP 2000-001771), both of record by Applicant.

Regarding claim 1, Noriyuki ('349) teaches in the abstract and in figures 1 and 2, a method for forming a film including a step of forming a film on a substrate (no number) with the substrate held by a substrate holder (T), wherein when a film is formed, the substrate holder is repeatedly used (see figures 1 and 2, tray T moves throughout chamber), and in the step of forming a film on a substrate, a substrate holder attached with the film due to repeated use co-exists with another substrate holder (read multiple trays), from which the film attached is removed.

Noriyuki ('349) does not disclose that the film is used in a plasma display panel and that the film is made in an evaporating room.

Further regarding claim 1, Kazuo ('771) teaches a film being made for a plasma display in a chamber (2, read evaporating room) for the purpose of improving the density and increasing the release coefficient of the secondary electrons.

Hence it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the evaporating room of Kazuo to make the film of Noriyuki for the purpose of improving the density and increasing the release coefficient of the secondary electrons.

Regarding claim 2, Noriyuki ('349) teaches the evaporating room contains a greater number of substrate holders attached with the film due to repeated use than a number of substrate holders from which the film attached is removed (see figure 1).

Regarding claim 3, Noriyuki ('349) teaches the substrate holder includes a plurality of elements, and the substrate holder from which the film attached is removed refers to a substrate holder of which at least one of the elements is removed the film attached.

2. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Noriyuki et al. (JP 04-365349), in view of Kazuo et al. (JP 2000-001771), as applied to claims 1-3 above, and further in view of Hide (JP 2001-316797).

Noriyuki et al. (JP 04-365349), in view of Kazuo et al. (JP 2000-001771), teaches all of the claimed limitations except for a frame retaining the substrate and a dummy substrate retained by another frame.

Further regarding claim 4, Hide ('797) teaches in paragraph 28 a method of making a film comprised of, in part, a frame (16) retaining the substrate (17) and a dummy substrate (15) retained by another frame for the purpose of improving the ease of maintenance of the carriers.

Hence, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the frames and dummy substrate of Hide in the manufacturing of the film of Noriyuki and Kazuo for the purpose of improving the ease of maintenance of the carriers.

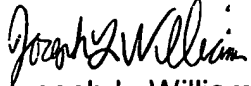
Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph L. Williams whose telephone number is (571) 272-2465. The examiner can normally be reached on M-F (6:30 AM-3:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2879

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Joseph L. Williams
Primary Examiner
Art Unit 2879